FIG. 1
RELATED ART

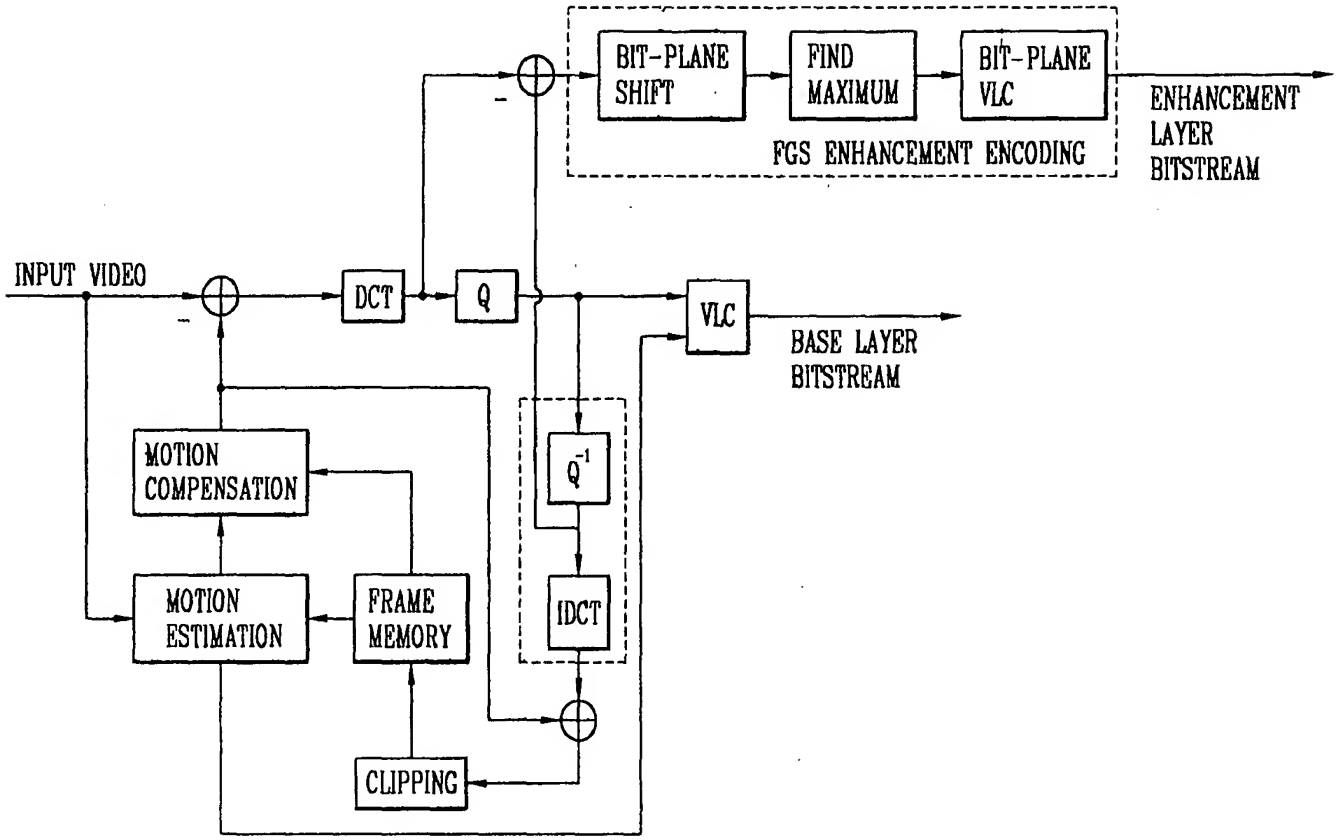


FIG. 2
RELATED ART

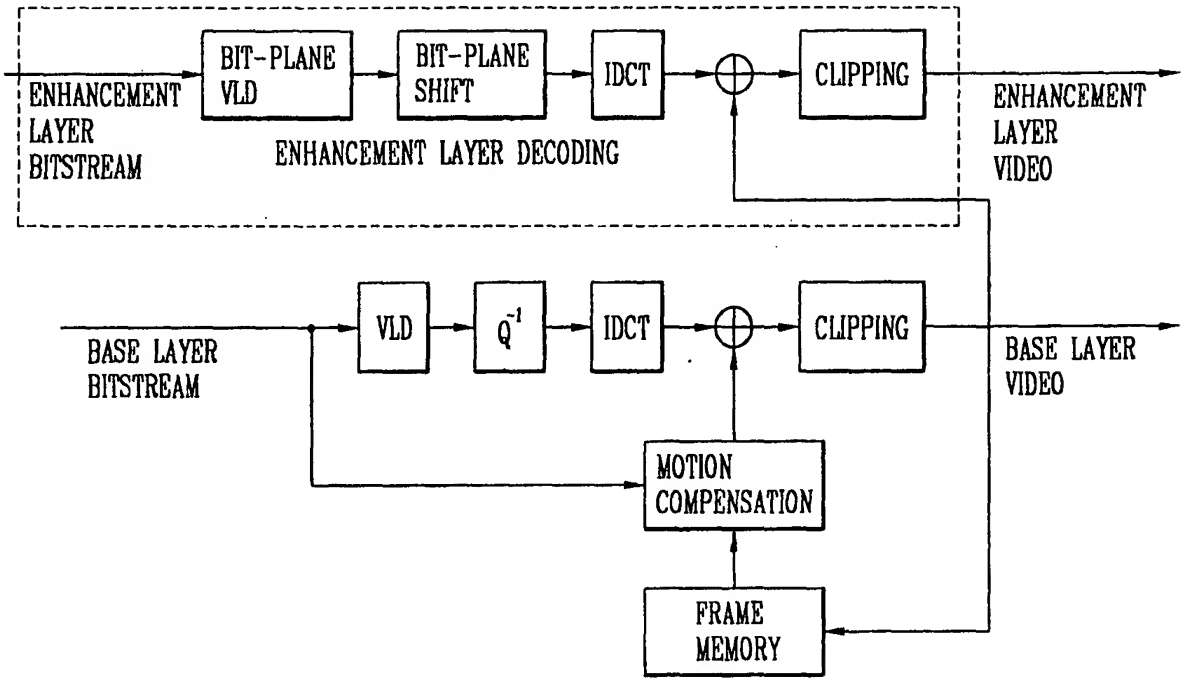


FIG. 3

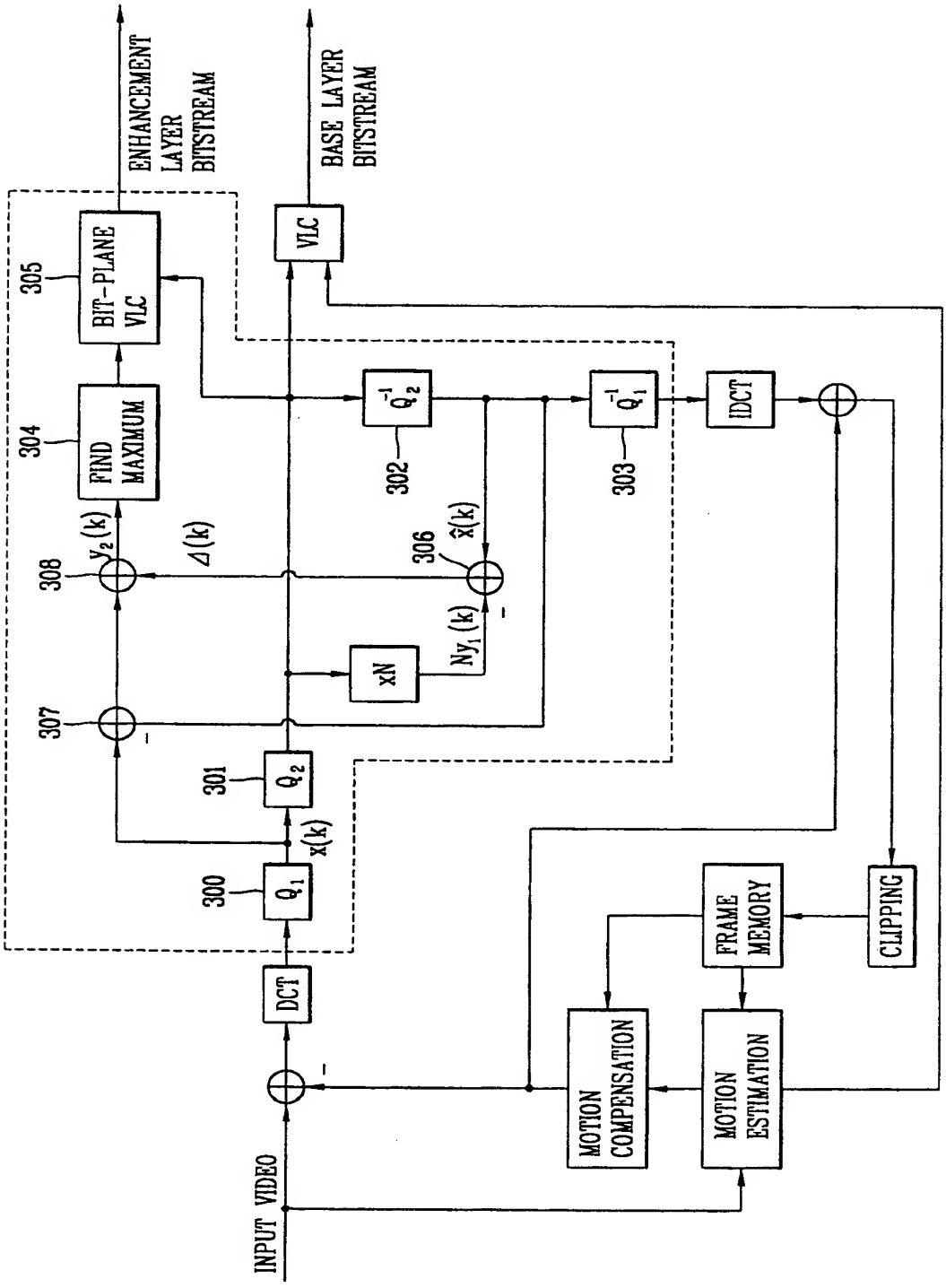

INPUT VIDEO
DCT
Q_1
300
Q_2
301
x(k)
307
308
$y_2(k)$
$\Delta(k)$
FIND MAXIMUM
304
BIT-PLANE VLC
305
ENHANCEMENT LAYER BITSTREAM
VLC
BASE LAYER BITSTREAM
Q_2^{-1}
302
Q_1^{-1}
303
IDCT
306
$\hat{x}(k)$
xN
$Ny_1(k)$
MOTION COMPENSATION
MOTION ESTIMATION
FRAME MEMORY
CLIPPING

FIG. 4

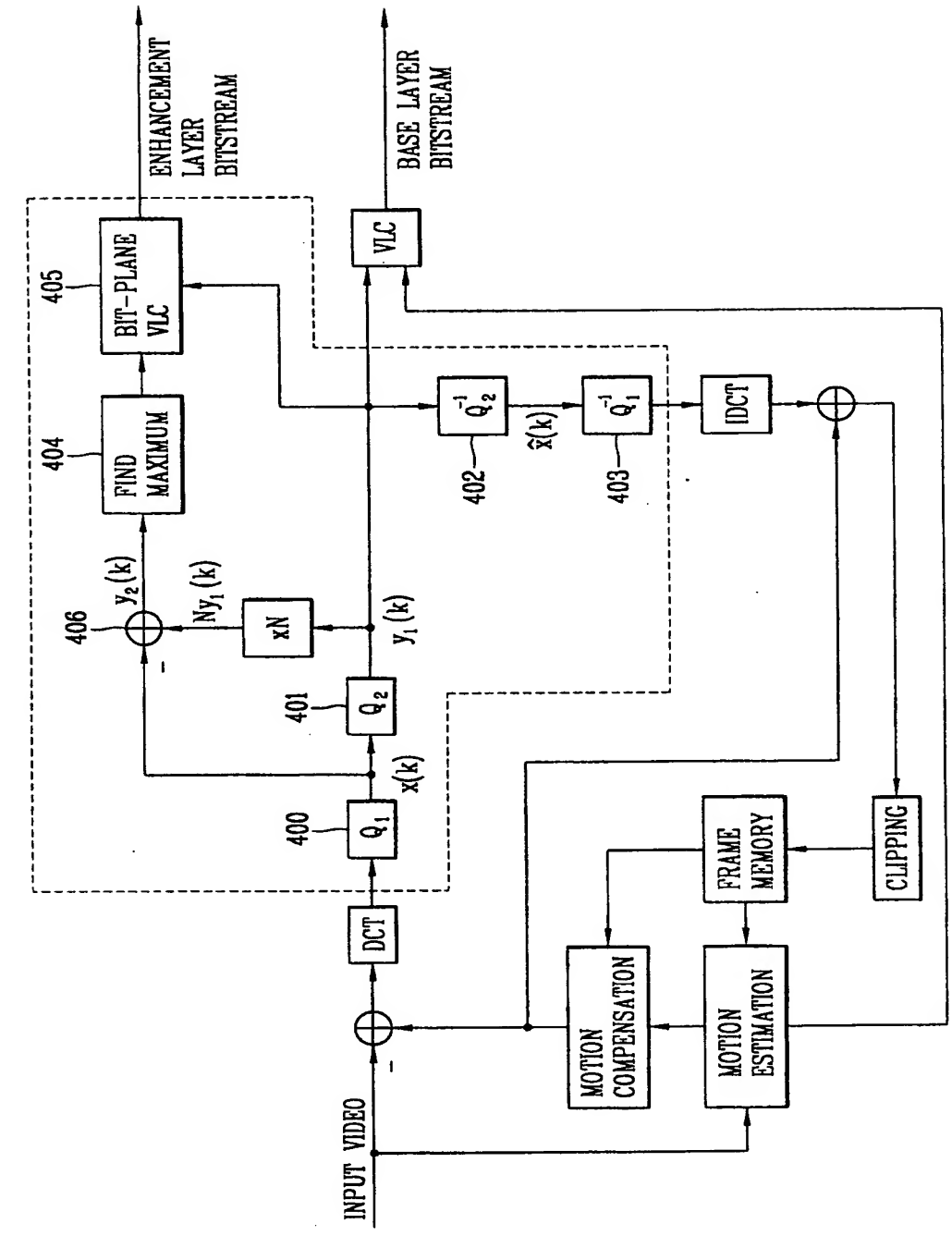
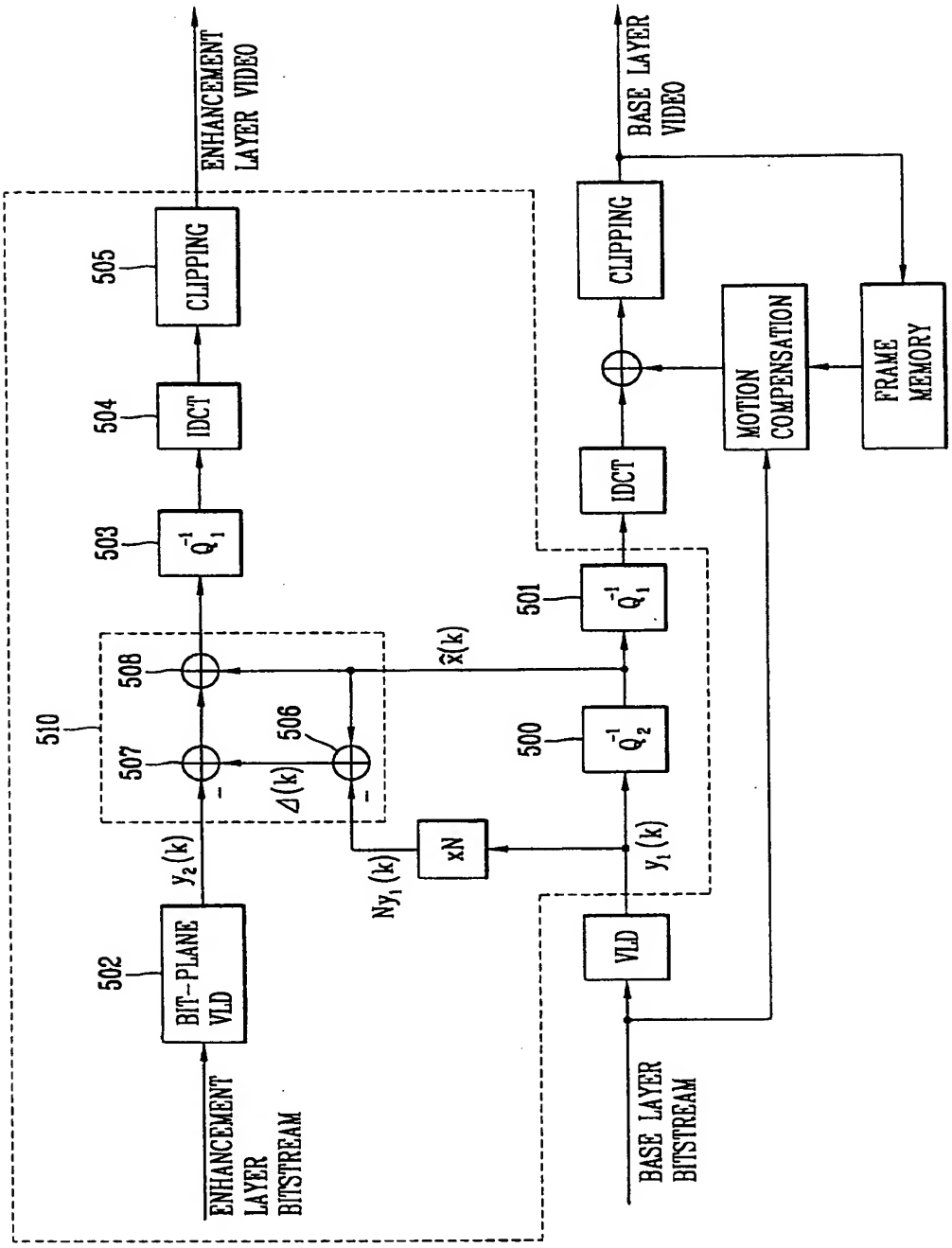

INPUT VIDEO
DCT
Q_1
400
Q_2
401
x(k)
$y_1(k)$
xN
$Ny_1(k)$
$y_2(k)$
406
FIND MAXIMUM
404
BIT-PLANE VLC
405
ENHANCEMENT LAYER BITSTREAM
VLC
BASE LAYER BITSTREAM
Q_2^{-1}
402
$\hat{x}(k)$
Q_1^{-1}
403
IDCT
MOTION COMPENSATION
MOTION ESTIMATION
FRAME MEMORY
CLIPPING

FIG. 5


ENHANCEMENT LAYER VIDEO
505
CLIPPING
504
IDCT
503
Q_1^{-1}
510
508
507
506
$\Delta(k)$
$\hat{x}(k)$
$y_2(k)$
502
BIT-PLANE VLD
ENHANCEMENT LAYER BITSTREAM
$Ny_1(k)$
xN
501
Q_1^{-1}
500
Q_2^{-1}
$y_1(k)$
VLD
BASE LAYER BITSTREAM
IDCT
CLIPPING
BASE LAYER VIDEO
MOTION COMPENSATION
FRAME MEMORY